



## Installing iPhone 3G Front Panel

### Tools used in this guide

- [Adhesive strips](#)
- [Heat gun or hair dryer](#)
- [Metal Spudger](#)
- [Phillips #00 Screwdriver](#)
- [Small suction cup](#)
- [Spudger](#)

### Parts relevant to this guide

- [iPhone 3G Front Panel](#)
- [iPhone 3G Front Panel Kit](#)



### Step 1 - Display

- Remove the two Phillips #00 screws from the dock-connector end of the iPhone.



### Step 2

- Remove the metal handle from the suction cup. It's easier and safer to grip the suction cup's base instead of the metal handle.
- Be very careful when opening the iPhone so that the cables under the display are not severed.
- There is a rubber gasket between the silver front bezel and black display assembly. A bit of force is required in this step to separate the iPhone's display assembly.
- Use a small suction cup near the Home button to gently pull up the bottom portion of the iPhone's display assembly.



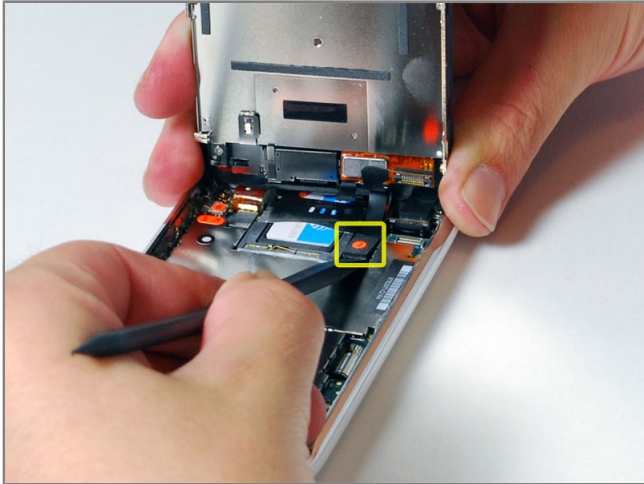
### Step 3

- The display assembly is still connected to the iPhone by several cables, so don't try to remove it entirely just yet.
- Rotate the display assembly up until it is at an angle of approximately 45 degrees.



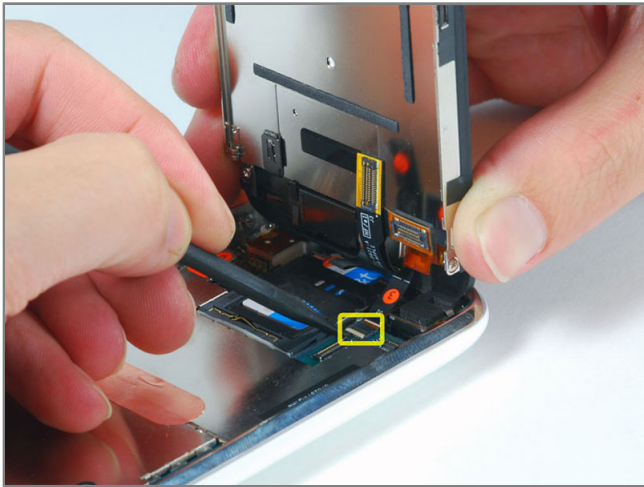
### Step 4

- Continue to hold the display assembly with one hand, and use your other hand and a spudger to disconnect the black ribbon cable labeled "1."



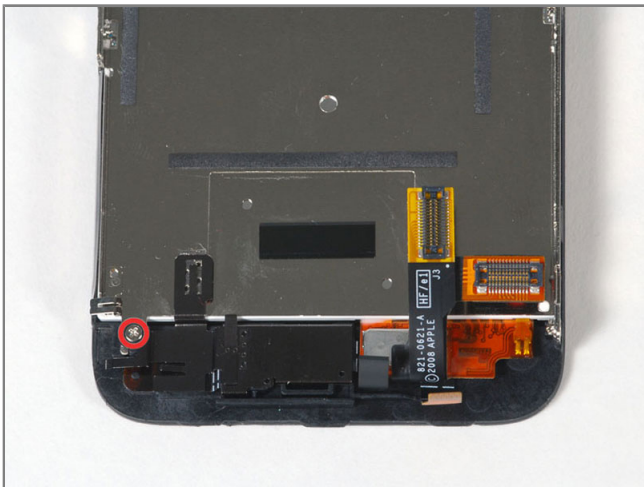
### Step 5

- Rotate the display assembly up until it is roughly vertical. This will allow easier access for disconnecting the remaining cables.
- Use a spudger to disconnect the black ribbon cable labeled "2."



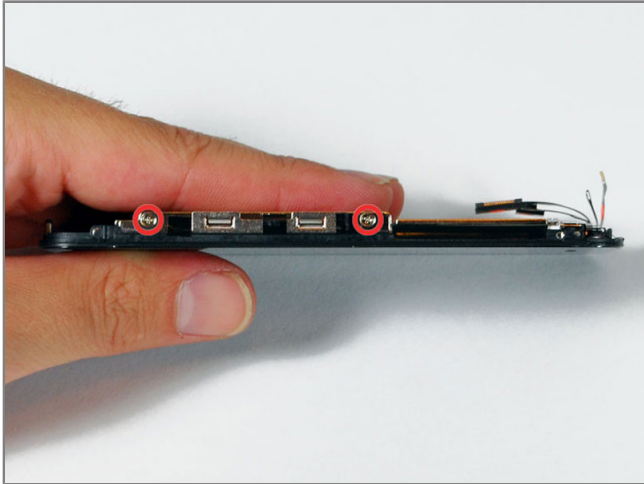
### Step 6

- Use a spudger to flip up the black plastic tab holding the remaining ribbon cable in place. The black will rotate up 90 degrees, releasing the ribbon cable.
- The plastic tab may be white (instead of black) on some iPhone models.
- Slide the ribbon cable out of its connector, and remove the display assembly from the iPhone.



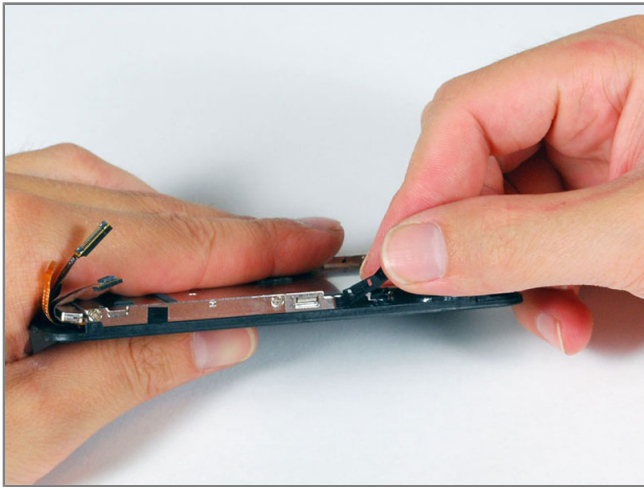
### Step 7

- Remove the single Phillips #00 screw from the corner of the display assembly.



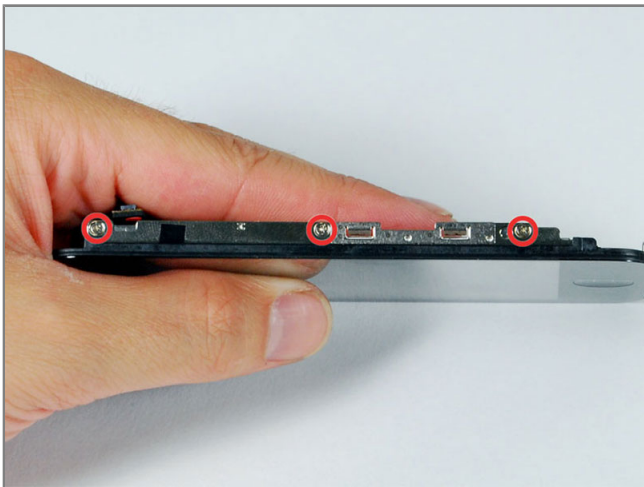
### Step 8

- Remove the two Phillips #00 screws from the right side of the display assembly.



### Step 9

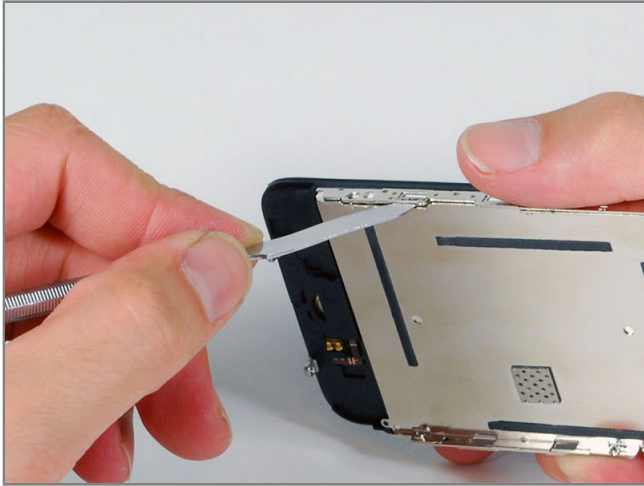
- Turn the display over, and carefully peel up the thin strip of black tape on the edge of the display assembly.
- Keeping the tape from sticking to itself can be tricky. We recommend placing the tape on a wax-coated piece of paper (any sticker backing will do).



### Step 10

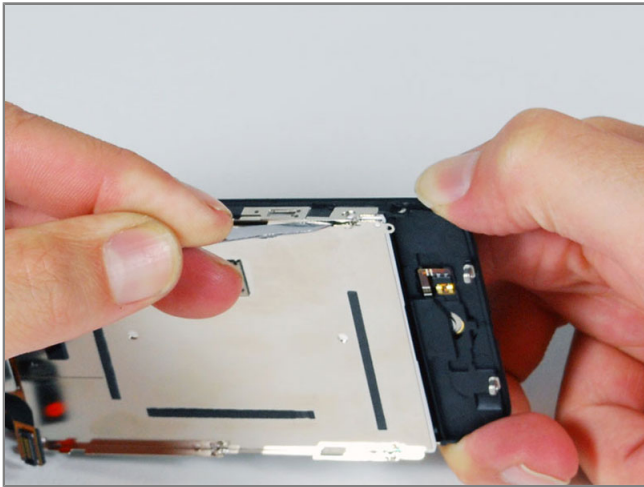
- Remove the three Phillips #00 screws from the left side of the display assembly.





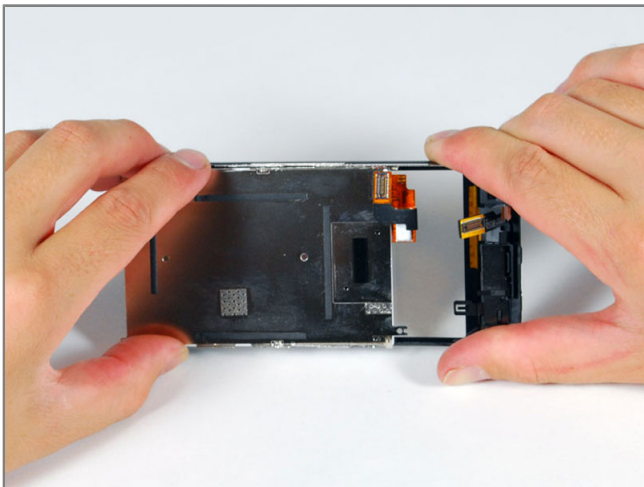
### Step 11

- Carefully insert a metal spudger between the two metal rails along the edge of the display assembly. Gently rotate the spudger to lift the LCD up from the glass.



### Step 12

- Turn the display assembly over and again carefully insert a metal spudger between the two metal rails along the edge of the display assembly. Gently rotate the spudger to lift the LCD up from the glass.



### Step 13

- Separate the LCD and glass by sliding the LCD panel away from the ribbon cables on the glass.





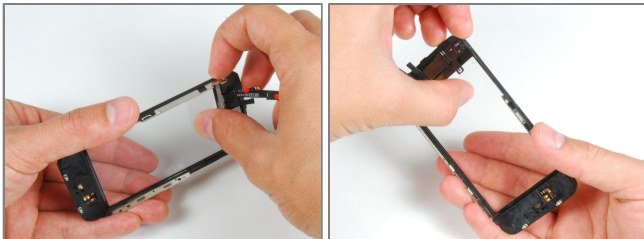
### Step 14 - Front Panel

- This is what should be left after removing the LCD.



### Step 15

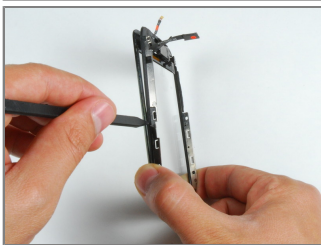
- Be careful when using a heat gun in the forthcoming steps. Use it at a very low heat setting, and make sure not to melt the touch screen plastics or Home button. 
- Using a heat gun or hairdryer, heat the top left area of the touch screen.
- Use your fingernails to slowly lift up the left corner. The touch screen plastics are held to the touch screen with adhesive. It may take some work to free the corners.
  - If it seems like too much force is being applied to lift the touch screen plastics, try using the heat gun again. 
- Heat and repeat for the right side.





### Step 16

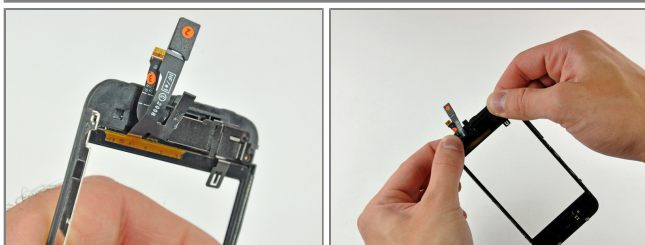
- Once the top is free, use the heat gun to heat the sides of the touch screen.
- Use a spudger to free the sides of the touch screen plastics.



### Step 17

- Heat the bottom corners with the heat gun.
- Again, use your fingernails to free the corners.
- Remove the touch screen plastics from the touch screen.





### Step 18

- Place [custom fit adhesive strips](#) or double stick tape on the open areas of the touch screen plastics.
- When reattaching the plastics to the glass, make sure the "#2" cable is routed as shown in the second picture.
- Reattach the plastic frame to the glass. Pinch each corner for 60 seconds to allow the tape time to bond the two surfaces.

